



## EPA Methylene Chloride Regulation

### 8-Hour Time-Weighted Average

New EPA Limit: 2 ppm

Previous OSHA Standard: 25 ppm

This represents a 92% reduction in allowable exposure over a full work shift.

### 15-Minute Short-Term Limit

New EPA Limit: 16 ppm

Previous OSHA Standard: 125 ppm

Peak exposures during specific tasks must stay below this dramatically lower threshold.

### Action Level Triggers

New Threshold: 1 ppm

When air monitoring detects concentrations at or above 1 ppm, additional protective measures and monitoring requirements are immediately triggered.

## Compliance Requirements: What You Must Do by August 1, 2025

### Regulated Work Areas

**Physical demarcation required:** Areas where methylene chloride is used must be clearly marked with permanent barriers or floor markings.

**Access control:** Only trained and authorized personnel may enter regulated areas. Documentation of authorization is mandatory.

**Multilingual signage:** Warning signs must be posted in all languages spoken by workers, meeting specific EPA design requirements.

**Continuous air monitoring:** Real-time monitoring systems must be installed and maintained to track exposure levels throughout the shift.

**Emergency response protocols:** Written procedures for spills, overexposure incidents, and evacuation must be developed and practiced.

### Respiratory Protection Requirements

**CRITICAL CHANGE:** Cartridge respirators are now **PROHIBITED** for methylene chloride work.

**Only supplied-air systems allowed:** Self-contained breathing apparatus (SCBA) or airline respirators are the sole compliant options.

**Annual fit testing required:** Every worker using respiratory protection must undergo quantitative fit testing annually.

**Medical clearance mandatory:** Workers must receive medical evaluations before using supplied-air respirators and periodic re-evaluations thereafter.

**Comprehensive training programs:** Documented training on proper use, limitations, maintenance, and emergency procedures is required.

## The True Cost of Compliance: Financial & Legal Exposure

**\$200K+**

### 5-Year Compliance Cost

Per facility estimate includes equipment (\$2,000-\$5,000 per worker for supplied-air systems), monitoring systems, training programs, administrative controls, and ongoing maintenance.

**\$25K**

### Daily Penalty Rate

EPA can assess up to \$25,000 per violation per day. Multiple violations can occur simultaneously (exposure limits, signage, training, monitoring, etc.).

**100%**

### Criminal Liability Risk

Plant managers and EHS officers face potential criminal prosecution for knowing violations that result in worker harm or death.

## Methylene Chloride-Free Weld-On Products

Methylene Chloride-free formulations of Weld-On 3, 4, and 16—the industry's most trusted acrylic and plastic bonding adhesives. These new formulations deliver the same world-class performance you depend on while **completely eliminating EPA compliance requirements**.

### Zero WCPP Compliance

No exposure monitoring, no regulated work areas, no supplied-air respirators, no action level triggers. Your existing safety protocols remain sufficient.

### Same Performance

Identical bonding strength, cure times, and application properties. Your production quality and efficiency remain unchanged.

### Future-Proof Operations

Protect your business from increasingly stringent chemical regulations. Make the switch once and gain long-term security.